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**THE MARVELS OF THE HUMAN BODY.
Its Evolution, Structure and Functions.** ✓

This is a multiple-reel motion picture of a pedagogical nature, designed for supplementary instruction in medical class-rooms and, in an abridged form, for use before lay audiences.

Written and produced by Dr. Jacob Sarnoff, it serves as a visual text of embryology, anatomy and physiology in the explanation of the human body, its development, structure and functions.

The story-

A young man calls upon the Doctor for an examination. In the conversation that ensues the Patient evinces a natural curiosity relative to the field of physiology in general; and as a preliminary to the examination proper, the Doctor decides that a comprehensive explanation is in order.

A motion picture film is used here; its first sequence explains the digestive tract. By titles and the superimposition of animated diagrams upon living figures, the unseen elements and activities are made clear. There follow in given order the digestive tract, the urinary organs, the lungs, the heart, the brain and the nerves. The "Systems" into which these units are grouped are indicated.

Then each of the above Systems is treated in detail. For example, the analysis of the Digestive System shows and explains the functioning of the mouth, pharynx, gullet, stomach, small intestine and large intestine, and the Accessory Organs - the

salivary glands, tongue, teeth, pancreas and liver.

A demonstrative technique known as the "Pneumo-Viscera Method" is used by Doctor Sarnoff to visualize the various organs. This method, by forcing air into the hollows of the organs, shows them in their natural relationship in their functioning order. Dissections of cadavers are employed to make this clear.

The digestion of food and the absorption of the digestion-products into the blood follows a diagrammatic expository title of the functioning of the Circulatory System.

The entire process of Respiration is now shown in detail, then the Urinary System follows with a similar treatment. Under "Reproduction", a dissection of a female genito-urinary tract is followed by an animated diagram in which the entire process of Reproduction, from the union of the sex cells to the full growth of the fetus, is covered.

The treatment of the Circulatory System which follows incorporates animated diagrams of the heart in action, a unique double exposure of a living man in which the beating heart is seen simultaneously, a slow-motion scene of a mammalian heart beating, as it has been exposed and microscopic scenes of the blood vessels with both arterial and venous flows clearly shown.

The story now returns to the Doctor and his patient with the latter undergoing a routine examination. Its conclusion and the ensuing goodbys bring the picture to a close.

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